	10	th Class	2018		
Math (Science)		Group-II		PAPER-II	
Time: 20 Minutes		(Objective Type)		Max. Marks: 15	
the state of the s	Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.				
1-1-	If u ∝ v², then:				
	(a) $u = v^2$, ,	$y = k v^2 v$	/	
	(c) $u v^2 = k$	(d) t	$v^2 = 1$		
2-					
	(a) Subset		Empty se		
	(c) Singleton				
3-	The number of terms in a standard quadratic equation $ax^2 + bx + c = 0$ is:				
	(a) 1	(b)	745		
	(c) 3 $\sqrt{}$ (d) 4				
4-	A frequency polygon is a many sided				
	(a) Closed fig	ure v (b)	Rectangl	е	
	(c) Circle (d) Triangle				
5-	$\sec \theta \cot \theta = $				
	(a) sin θ	(b)	cos 0		
	(c) $\frac{1}{\sin \theta} $	(d)	$\frac{\sin \theta}{\cos \theta}$		
6- The arcs opposite to incongruent ce circle are always			nt central angles of		
	(a) Parallel	(b)	Perpend	licular	
	(c) Congruer	it (d)	Incongri	uent √	
7-	The symbol for a triangle is denoted by:				
	(a) ∠		AV		
	(c) 1	(d)	0		
		,			

8-	The length of the diameter of a circle is how many times the radius of the circle?				
	(a) 4 times (b) 3 times				
	(c) 2 times √ (d) 1 time				
9-	If $\frac{a}{b} = \frac{c}{d}$, then componendo property is:				
	(a) $\frac{a}{a+b} = \frac{c}{c+d} \sqrt{(b)} \frac{a}{a-b} = \frac{c}{c-d}$				
	(c) $\frac{ad}{bc}$ (d) $\frac{a-b}{b} = \frac{c-d}{d}$				
10-	A circle has only one				
	(a) Secant (b) Chord				
	(c) Diameter (d) Centre 1				
11-	How many common tangents can be drawn for two touching circles?				
- 10.00	(a) 1 (b) 2				
	(c) 3 1/ (d) 4				
12-	If A ⊆ B, then A ∩ B is equal to:				
	(a) A 1/ (b) B				
-	(c) φ (d) A ∪ B				
13-	The discriminant of $ax^2 + bx + c = 0$ is:				
	(a) $b^2 - 4ac $ (b) $b^2 + 4ac$				
	(c) $-b^2 + 4ac$ (d) $-b^2 - 4ac$				
14-	A fraction in which the degree of numerator is less				
	than the degree of the denominator is called:				
1.00	(a) An equation (b) An improper fraction				
	(c) An identity (d) A proper fraction √				
15-	Product of cube roots of unity is:				
	(a) 0 (b) 1 1/				
	(a) 0 (c) -1 (d) 3				